



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D4004-7

Job Sheet 204681



DAS
21
9-89

DAS
13
9-89

Part No: D4004-7

Job Qty: 2 pcs

Part Name: Hose Clip



Part Weight: 0 lbs

Job Created: 12/16/19

Due Date: 12/27/19

Type: SOLD

Status: New

Job Tracking No:

Created By: Marie Lajeunesse

Description:

DEC 16 2019

POSITIVE RECALL

Priority: Medium

EFFECTIVE 11/01/07

AUTH

RELEASED 10

DATE

Note: DWG REV B SHEET 8 IPP rev A 10.02.02 new issue Prelim EC verified by:DD IPP Rev:B 10.05.17 as per
ECN10-562 DD verf:EC IPP Rev:C 12.03.07 as per dwg rev.b DD verf: EC

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Workcenter / Supplier Lead Time	Sign-off
100	Purchasing DEC 16 2019	2 pcs	12/27/19		0.00	0.00	Purchasing - 1		DEC 17 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	2 pcs	12/27/19		0.00	0.00	Packaging 2 - 1 - B4B		
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com

Container No: S241381



Part: D4004-7

Job No: 204681

Serial No/Batch: S241381

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 12/17/19

Plex 12/16/19 3:08 PM Dart.lajeunesse.marie

120 QC 6	2 pcs	12/27/19	0.00 0.00	Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
				QC 6 - 9	DAS 20-0410
130 Packaging 3-1 - Stock - B4B	2 pcs	12/27/19	0.00 0.00	QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
				QC 6 - 81	
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	DAS 58 9-89 JAN 10 2020
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - SA	2 pcs	12/27/19	0.00 0.00	QC 21 - SA - 21	DAS 21 9-89 JAN 10 2020
				QC 21 - SA - 70	
				QC 21 - SA - 53	

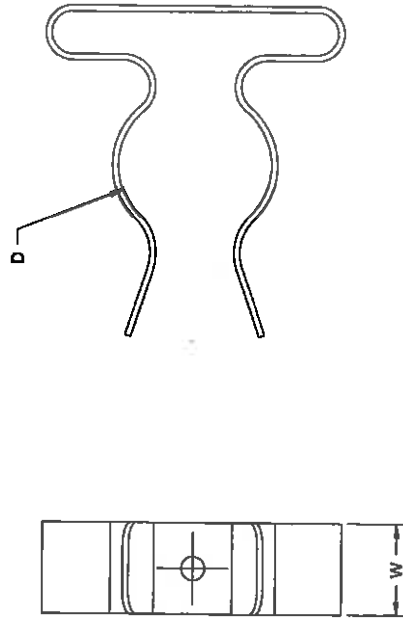
Part Op 110 - Receive & Inspect for Damage & Mat'l Certs
 Descriptions: 120 - QC6- All purchased or subcontracted products
 130 - Identify as per dwg & Stock Location: *STC60*
 140 - QC21- Final Inspection - Work Order Release

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
1722A42	Holder	2 pcs (1 ea)	100-Purchasing	S241/380
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	1722A42	2	10	0
Part Specifications				
Specifications could not be found.				

Plex 12/16/19 3:08 PM Dart.lajeunesse.marie

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4004-7	N3 REF JCA-M47-2-19

SPECIFICATION CONTROL DRAWING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 224681
ML5
19-12-16

DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	FITS TUBE Ø "D"	WIDTH "W"
D4004-7	MCMASTER-CARR	1722A42	NICKEL PLATED STEEL	0.31 - 0.75	0.38

D4004-X HOSE CLIP

- NOTES:
1) MATERIAL: SEE TABLE
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 8.1
7) WEIGHT: 0.01 LBS

DESIGN	DART AEROSPACE LTD HAMKESBURY, ONTARIO, CANADA
DRAWN	REV. B
CHECKED	DRAWING NO. D4004
MFG. APPR.	SHEET 8 OF 11
APPROVED	TITLE
DE APPR.	SIDE RESTRAINT
DATE	12.02.27
	SCALE NTS

COPYRIGHT © 2018 BY DART AEROSPACE LTD
ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.

2012-03-02

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION		DEPARTMENT/PROCESS	
Rework ☐		Skid-tube ☐ Machining ☐ Large Fab ☐		Cross tube ☐ Small Fab ☐ Finishing ☐	
Use-as-is ☐				Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐	
Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐					
Sequence #: _____		QTY Affected: _____		MRB (QS1042) _____	
Description Work Order Deviation					
Disposition					
Completed By _____					
Lead hand / Supervisor _____					
QC / QA Coordinator _____					
Root Cause		FAULT CATEGORY			
Operator ☐		Contamination ☐		Power Loss/Surge ☐	
Manufacturing Process ☐		Misaligned/off center ☐		Folio/Program ☐	
Equip/Tooling ☐		BOM/Route ☐		Grain Direction ☐	
Handling/Preservation ☐		Broken/Damage/Defect ☐		Weld ☐	
Material ☐		Incomplete/Unclear Instructions ☐		Wrong Stock Pulled ☐	
Product Improvement ☐		Drill Holes ☐		Out of Sequence ☐	
Process Improvement ☐		Fit/Function ☐		Off-set/Set-up ☐	
Human Factors ☐		Other/Details: _____		Positioned Wrong ☐	
				Outside Tolerance ☐	
				Drawing ☐	
				Finish ☐	
				Part Lost/Missing ☐	
				Misread ☐	


DART
AEROSPACE

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
POHB045407

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600
Attention: N/A,
Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200
PO No: POHB045407**PO Date:** 12/16/19**Due Date:** 12/18/19
Purchase Order
Revision:

DEC 16 2019

Revision Date:
Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com
Via: Ground**Pymt Terms:** Net 60**Freight Terms:****Special Comments:**

Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		188-FSCS-1032-5/8		92210A303 100/per pk-	Flat socket cap Screw	Firmed X100	-	12/18/19	100 Ea	0 Ea	100 Ea	\$0.0761/Ea	\$7.61 DEC 17 2019
2		5972K289			Bearing	Firmed X2	-	12/18/19	2 Ea	0 Ea	2 Ea	\$10.42/Ea	\$20.84 DEC 17 2019
3		6630T220		1/pk	Black Polypropylene Ball Knob with M8X 1.25 Threaded Hole X 32 mm Head Dia.	Firmed X4	-	12/18/19	4 Ea	0 Ea	4 Ea	\$1.35/Ea	\$5.40 DEC 17 2019
4		8747K198		1 PCS/ 16 SF	PVC Sheet, Type 1 Plastic, 4' wide x 4' long x 1" thick	Firmed	-	12/18/19	16 sf	0 sf	16 sf	\$25.0175/sf	\$400.28
5		91257A758		1/pack	Bolt Grade 8 Steel, 1/2"-20 Thread, 5-1/2" Long Partially Threaded	Firmed X4	-	12/18/19	4 Ea	0 Ea	4 Ea	\$2.00/Ea	\$8.00 DEC 17 2019
6	204487	91525A120		25/pk	washer D3456-1 AS PER DWG D3456 REV.A	Firmed X100	-	12/18/19	100 pcs	0 pcs	100 pcs	\$0.232/pcs	\$23.20 DEC 17 2019

Plex 12/16/19 3:23 PM Dart.Lavoie.Chantal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHB045407



Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
7	204626	93625A300		50/pk	Locknut D5678-1 AS PER DWG D5678 REV. A	Firmed	-	12/18/19	100 pcs	0 pcs	100 pcs	\$0.1736/pcs	\$17.36
8		91654A076		100/pk	Drive Screw #2 3/16" Long 18-8 Stainless Steel Screw Nails Size 2, 3/16" Long 100/pack	Firmed X100	-	12/18/19	100 Ea	0 Ea	100 Ea	\$0.0431/Ea	\$4.31
9		92196A276		50/pk	Screw	Firmed X50	-	12/18/19	50 Ea	0 Ea	50 Ea	\$0.1714/Ea	\$8.57
10		93275A034		1/pk	Rod	Firmed X1	-	12/18/19	1 Ea	0 Ea	1 Ea	\$2.93/Ea	\$2.93
11		98378A909		1/pk	Perforator Pin .129" X 2-1/2"	Firmed X4	-	12/18/19	4 Ea	0 Ea	4 Ea	\$6.80/Ea	\$27.32
12		9642K63		1/pk	440C SS Ball 3/4" Dia.	Firmed X2	-	12/18/19	2 Ea	0 Ea	2 Ea	\$4.43/Ea	\$8.86
13		C45-15-13		6381K171 1/pk	Bushing for SWA6A	Firmed X6	-	12/18/19	6 Ea	0 Ea	6 Ea	\$2.68/Ea	\$16.08
14		EL-PLUG-F		7216k6 1/pk color yellow	3-Prong Female Spade Plug	Firmed X10	-	12/18/19	10 Ea	0 Ea	10 Ea	\$13.60/Ea	\$136.00
15		SWA3-700		9529K15 100/per pk	Bearing Balls - 1/4"	Firmed X200	-	12/18/19	200 Ea	0 Ea	200 Ea	\$0.1332/Ea	\$26.64
16	204681	1722A42	D4305	10/pack	Holder AS PER DWG D4004 REV. B	Firmed X10	-	12/18/19	10 pcs	0 pcs	10 pcs	\$0.76/pcs	\$7.60
Grand Total:												\$721.00	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045407



Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 DOCUMENT SPECIAL REQUIREMENTS
A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
A049 SUPPLIER AWARENESS

CL

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/16/19 3:23 PM Dart.Lavole.Chantal

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POHB045407

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6537356-01

Line	Product	Ordered	Shipped
1	92210A303 18-8 Stainless Steel Hex Drive Flat Head Screw, 10-32 Thread Size, 5/8" Long, Packs of 100	1 Pack	1
2	5972K289 Ball Bearing, Sealed, Trade No. 6903-2RS, for 17 mm Shaft Diameter	2 Each	2
3	6630T22 Black Polypropylene Ball Knob with M8 x 1.25mm Threaded Hole, 32mm Head Diameter	4 Each	4
5	91257A758 Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/2"-20 Thread, 5-1/2" Long, Partially Threaded, Packs of 1	4 Packs	4
6	91525A120 316 Stainless Steel Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1" OD, Packs of 25	4 Packs	4
7	91654A076 18-8 Stainless Steel Screw Nails for Metal, Plastic and Plywood, Size 2, 3/16" Long, Packs of 100	1 Pack	1
8	92196A276 18-8 Stainless Steel Socket Head Screw, 10-32 Thread Size, 1-1/4" Long, Partially Threaded, Packs of 50	1 Pack	1
9	93275A034 Black-Oxide Steel Setup Stud, M8 x 1.25 mm Thread, 31 mm Thread Lengths, 110 mm Long	1 Each	1
10	98378A909 Core Pin, 0.129" Diameter, 2-1/2" Long	4 Each	4
11	9642K63 Tight-Tolerance Hardened 440C Stainless Steel Ball, 3/4" Diameter, Packs of 1	2 Packs	2
12	6381K171 Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 3/4" Shaft Diameter and 7/8" Housing ID, 1" Long	6 Each	6
13	7216K6 Hinged Straight-Blade Housing, 3-Slot Socket, NEMA 5-15, Yellow	10 Each	10
14	9529K15 Hardened Bearing-Quality 440C Stainless Steel Ball, 1/4" Diameter, Packs of 100	2 Packs	2
15	1722A42 Spring Clip Holder for 5/16" to 3/4" Item Diameter, Nickel-Plated Steel, Packs of 10	1 Pack	1

Shipped separately from our Cleveland warehouse on 12/16

4 8747K198 Chemical-Resistant PVC Sheet, 48" x 48" x 1"

1 Each 1

RECEIVED

DEC 17 2019

DART AEROSPACE LTD.

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POHB045407

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6537356-01

Page 2 of 2

12/16/2019

Certificate of compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.



Sarah Weinberg
Compliance Manager